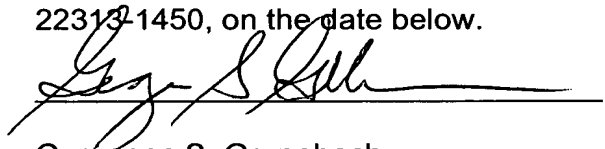


Patent  
PD-202021  
Customer No. 020991

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Ernest C. Chen, et al. : I hereby certify that this correspondence is  
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REQUIREMENTS ACCORDING :  
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MODULATION SYSTEMS :  
: Georgann S. Grunebach  
: Typed or printed name of person signing certificate  
Group Art Unit: To be determined :  
Examiner: To be determined : Date: April 25, 2005

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop PCT  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The references cited on the enclosed form PTO/SB/08A may be relevant or material to the examination of the above-identified patent application and are, therefore, submitted in compliance with the duty of disclosure defined in 37 CFR 1.56. It is respectfully requested that the references be considered and made of record in the application identified above.

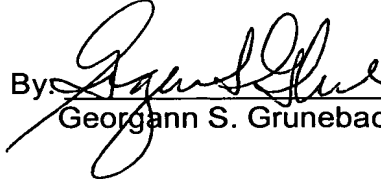
This statement should be considered because it is being submitted within three months of the date of entry of the national stage as set forth in §1.491 in an international application under 37 C.F.R. §1.97(b)(2). Accordingly, it is submitted that no fee is due in this matter.

However, if it is determined that any appropriate fee is due, the Commissioner is hereby authorized to charge Deposit Account No. 50-0383 of Hughes Electronics Corporation, El Segundo, California.

U.S. National Stage of International Application No. PCT/US03/032751.....Page 2

This Information Disclosure Statement is not to be construed as a representation that a search has recently been made, that additional information material to the examination of this application does not exist, or that this citation constitutes prior art.

Respectfully submitted,

By:   
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April 25, 2005

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)	<b>Complete if Known</b>	
	Application Number	To be assigned
	Filing Date	Herewith
	First Named Inventor	Ernest. C. Chen
	Art Unit	To be assigned
	Examiner Name	To be assigned
Sheet 1 of 1	Attorney Docket Number	PD-202021

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-6,272,679	08-07-2001	Norin, John L.	
		US-6,212,360	04-03-2001	Fleming, Robert F. III et al.	
		US-6,188,717	02-13-2001	Kaiser, Stefan et al.	
		US-6,141,534	10-31-2000	Snell, William L. et al.	
		US-6,131,013	10-10-2000	Bergstrom, Chad Scott et al.	
		US-6,084,919	07-04-2000	Kleider, John Eric et al.	
		US-4,896,369	01-23-1990	Adams, William C. Jr. et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		DE 3642213 A1	12-10-1986	Lopau, Harald et al.		
		JP 5-252084	09-28-1993	Takenaka, Tetsuyoshi et al.		
		JP 5-114878	05-07-1993	Kazama, Hiroshi et al.		
		JP 5-41683	02-19-1993	Matsudo, Takashi et al.		
		JP 2-95033	04-05-1990	Yamamoto, Yoshihiko		
		JP 2-5631	01-10-1990	Oda, Hirobumi		

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.